

AMENDMENTS TO THE CLAIMS

Please cancel claims 1 and 3, amend claim 2, and add claims 4-11 as set forth below.

1. (CANCELED).

2. (CURRENTLY AMENDED) A motor stop control device for a rotating reel type gaming machine ~~which that~~ includes a motor having two pairs of excitation phases as a driving source of a ~~reel-reel~~, the reel having a plurality of symbols drawn ~~thereonthereon~~, ~~and in which the motor is stopped in accordance with an operational instruction from the outside,~~ the motor stop control device comprising:

a deceleration transmission mechanism ~~for transmitting that transmits~~ the rotation of the motor to rotating shafts ~~for rotatingso that~~ the reel is rotated at a predetermined speed reduction ratio;

motor stop control means for performing stop control of the motor through two-phase excitation ~~when the motor stop command is generated according to an operational instruction from the outside~~ after performing a control for reducing the rotating speed of the motor based on a stop command for the motor; and

a vibration-suppressing member ~~for dampingthat dampens~~ vibration of the reel ~~occurring that occurs~~ when the rotation of the reel is stopped by the stop control of the motor stop control means,

wherein the motor is a stepping motor,

wherein the deceleration transmission mechanism has an output-side gear provided on a driving side of the stepping motor and an input-side gear disposed at the reel such that the input-side gear is in contact with the output-side gear and coaxial with the rotating shaft of the reel, and

wherein the speed reduction ratio is determined by a ratio between a number of steps of one rotation of the motor, and the least common multiple calculated from a number of the symbols drawn on the reel and the number of steps of the motor.

3. (CANCELED)

4. (NEW) The motor stop control device of claim 2, wherein the motor stop control means performs the control for reducing the rotating speed of the motor by transmitting pulses in a number corresponding to a predetermined time interval.

5. (NEW) The motor stop control device of claim 4, wherein the motor stop control means performs the stop control through two-phase excitation by transmitting pulses in a number corresponding to a predetermined time interval.

6. (NEW) The motor stop control device according to claim 2, further comprising:
a mounting plate for fixing the rotating shaft,
wherein the input-side gear is inserted into the rotating shaft, and the vibration-suppressing member is a spring that is inserted into the rotating shaft and urges the input-side gear against the mounting plate.

7. (NEW) The motor stop control device of claim 2, wherein the vibration-suppressing member is an oil dumper having a base portion in which an oil is charged and a rotating portion having a gear which is in contact with the input-side gear, and a rotating force of the rotating portion is moderate by the oil charged in the base portion.

8. (NEW) The motor stop control device of claim 2, wherein the vibration-suppressing member is a high-friction member that is fastened to the rotating shaft to a fastening member.

9. (NEW) The motor stop control device of claim 8, wherein the high-friction member is felt.

10. (NEW) The motor stop control device of claim 8, wherein the high-friction member is a wave washer.

11. (NEW) A motor stop control device for a rotating reel type gaming machine that includes a motor having two pairs of excitation phases as a driving source of a reel, the reel having a plurality of symbols drawn thereon, the motor stop control device comprising:

a deceleration transmission mechanism that transmits the rotation of the motor to rotating shafts so that the reel is rotated at a predetermined speed reduction ratio; and

motor stop control means for performing stop control of the motor through two-phase excitation after performing a control for reducing the rotating speed of the motor based on a stop command for the motor; and

wherein the motor is a stepping motor, and

wherein the speed reduction ratio is determined by a ratio between a number of steps of one rotation of the motor, and the least common multiple calculated from a number of the symbols drawn on the reel and the number of steps of the motor.